



## Control strawberry fruit decay caused by some mold fungi

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**Abstract :** Strawberry fruit (*Fragaria x ananassa* Duch.) have a very short postharvest life. This study was focused on strawberry fruit decay caused by some mold fungi during 2015 / 2016 season. The results of this study presented that, isolation of the causal agent of fungi that attacks strawberry fruits yielded three fungal genera i. e. *Alternaria solani*, *Botrytis cinerea* and *Rhizopus stolonifer*. *Botrytis cinerea* was higher fungal frequency occurred which record 85% followed by *Rhizopus stolonifer* 7%, while *Alternaria solani* was less fungal frequency occurred 5% in addition unknown 3%. It can be changes of all physical, bio-chemical properties and some mineral contents of infected fruits compared with healthy fruits (non-infected). Also the results indicated that, all alternative (Bio-) fungicides and chemical fungicides used as Bio-Arc, Bio-zeid, Plant-Guard, Switch and Ubarrin were found to be reduced the infection percent of all tested fungi that attacks strawberry fruits as well as decreased strawberry fruit decay compared with control (Un-treated). Increasing the reduction of infection with increasing the number of time sprayer until the third time. Both Bio-Arc and Switch treatments were better than others. It can be reduced the infection percent of strawberry fruit decay from 26.4 to 9.6% equal 63.63% reduction at third time used. Bio-zeid was moderate affected which decreased strawberry fruit decay from 26.4 to 11.2 equal 57.57% reduction. Plant-Guard and Ubarrin were less affected which reduced the infection percent of strawberry fruit decay caused by these fungi from 26.4 to 14.6% infection equal 44.70% reduction respectively.

**Key words:** Strawberry, Fruit rot, Fungi, Quality characteristics, Control.

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